

## APPENDICES

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◆ INDUSTRIAL/COMMERCIAL EDUCATION MODEL  
PROGRAM BMPs AVAILABLE FOR  
PHASE I FACILITIES ◆  
(Pending RWQCB Approval)

### Sector A -- Timber Products Facilities

#### *General:*

- ◆ Log, Lumber and Other Wood Products Storage Areas
- ◆ Residue Storage Areas
- ◆ Loading and Unloading and Material Handling Areas
- ◆ Chemical Storage Areas

#### *Additional BMPs for Timber Product Facilities That Surface Protect or Preserve:*

- ◆ Wood Surface Protection and Preserving Activities

### Sector B -- Paper and Allied Products Manufacturing Facilities

- ◆ Outdoor Loading and Unloading
- ◆ Raw and/or Waste Material Storage Areas
- ◆ Log, Lumber and Other Wood Product Storage Areas

### Sector C -- Chemical and Allied Products Manufacturing Facilities

- ◆ Good Housekeeping
- ◆ Material Handling and Storage Areas

### Sector D -- Asphalt Paving and Roofing Materials Manufacturers and Lubricant Manufacturers

- ◆ Material Storage, Handling and Processing

### Sector E -- Glass, Clay, Cement, Concrete and Gypsum Product Facilities

- ◆ Storing Dry Bulk Materials
- ◆ Handling Bulk Materials
- ◆ Mixing Operations
- ◆ Vehicle and Equipment Washing
- ◆ Dust Collection
- ◆ Pouring and Curing Pre-cast Concrete Products

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### Sector F -- Primary Metals Facilities

- ◆ Metal Product Stored Outside Such as Returns, Scrap Metal, Turnings, Fines, Ingots, Bars, Pigs, Wire
- ◆ Outdoor Storage or Handling of Fluxes
- ◆ Storage Piles, Bins, or Material Handling of Coke or Coal
- ◆ Storage or Handling of Casting Sand
- ◆ Vehicle Fueling and Maintenance
- ◆ Outdoor Storage Tanks or Drums of Gas, Diesel, Kerosene, Lubricants, Solvents
- ◆ Slag or Dross Stored or Disposed of Outside in Piles or Drums
- ◆ Fly Ash, Particulate Emissions, Dust Collector Sludges and Solids, Baghouse Dust
- ◆ Storage and Disposal of Waste Sand or Refractory Rubble in Piles Outside
- ◆ Scrap Processing Activities (Shredding Etc.)
- ◆ Machining Waste Stored Outside or Exposed to Storm Water-fines, Turnings, Oil, Borings, Gates, Sprues, Scale
- ◆ Obsolete Equipment Stored Outside
- ◆ Material Losses from Handling Equipment Such as Conveyors, Trucks, Pallets, Hoppers, Etc.
- ◆ Losses During Charging of Coke Ovens or Sintering Plants
- ◆ Particulate Emissions from Blast Furnaces, Electric Arc Furnaces, Induction Furnaces and Fugitive Emissions from Poorly Maintained or Malfunctioning Baghouses, Scrubbers, Electrostatic Precipitators, Cyclones
- ◆ Storage of Products Outside after Painting, Pickling, or Cleaning Operations
- ◆ Casting Cooling or Shakeout Operations Exposed to Precipitation or Wind
- ◆ Landfilling or Open Pit Disposal of Wastes Onsite
- ◆ Losses of Particulate Matter from Machining Operations (Grinding, Drilling, Boring, Cutting). Through Deposition or Storage of Products Outside.
- ◆ Areas of the Facility with Unstabilized Soils Subject to Erosion.
- ◆ Improper Connection of Floor, Sink or Process Wastewater Drains.

### Sector G,H, J -- Metal Mining Facilities; Coal Mines and Coal Mining-Related Facilities; Mineral Mining and Processing Facilities

- ◆ Land Disturbance Activities

### Sector I -- Oil and Gas Extraction Facilities

- ◆ General Activities

### Sector K -- Hazardous Waste Treatment, Storage or Disposal Facilities

- ◆ Outdoor Unloading and Loading

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### Sector L -- Landfills and Land Application Sites

- ◆ Land Disturbance Activities
- ◆ Application of Fertilizers, Pesticides and Herbicides
- ◆ Exposure of Chemical Material Storage Areas to Precipitation
- ◆ Exposure of Waste at Open Face
- ◆ Waste Tracking Onsite
- ◆ Uncontrolled Leachate

### Sector M -- Automobile Salvage Yards

- ◆ Dismantling and Vehicle Maintenance
- ◆ Outdoor Vehicle, Equipment and Parts Storage
- ◆ Vehicle, Equipment and Parts Washing Areas
- ◆ Liquid Storage in Above Ground Containers
- ◆ Improper Connection with Storm Sewers

### Sector N -- Scrap and Waste Recycling Facilities

#### *Non-liquid Scrap and Waste Recycling:*

- ◆ Inbound Recyclable and Waste Material Control
- ◆ Outside Scrap Material Storage: (Liquids)
- ◆ Outside Scrap Material Storage: (Bulk Solid Materials)
- ◆ Storage Other: (Lightweight Materials)
- ◆ Residential Non-recyclable Material
- ◆ Recyclable Material Processing
- ◆ Scrap Processing Operations
- ◆ Supplies for Process Equipment
- ◆ Scrap Lead Acid Battery Program
- ◆ Vehicle and Equipment Maintenance
- ◆ Fueling
- ◆ Vehicle and Equipment Washing
- ◆ Outdoor Vehicle Parking and Storage
- ◆ Vehicle and Equipment Painting (where applicable)
- ◆ Erosion and Sediment Control

#### *Liquid Waste Recycling Facilities:*

- ◆ Individual Drum/Container Storage
- ◆ Bulk Liquid Storage
- ◆ Waste Transfer Areas
- ◆ Inspections
- ◆ Preventive Maintenance
- ◆ Vehicle Maintenance (if applicable)
- ◆ Vehicle Cleaning (if applicable)
- ◆ Training

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### Sector O -- Steam Electric Power Generating Facilities

- ◆ Fugitive Dust Emissions
- ◆ Delivery Vehicles
- ◆ Fuel Oil Unloading Areas
- ◆ Chemical Loading/Unloading Areas
- ◆ Miscellaneous Loading/Unloading Areas
- ◆ Liquid Storage Tanks
- ◆ Large Bulk Fuel Storage Tanks
- ◆ Oil/Chemical Storage
- ◆ Oil Bearing Equipment in Switchyards
- ◆ Residue Hauling Vehicles
- ◆ Ash Loading Areas
- ◆ Areas Adjacent to Disposal Ponds or Landfills
- ◆ Landfills, Scrapyards and General Refuse Sites
- ◆ Vehicle Maintenance Activities
- ◆ Material Storage Areas

### Sector P -- Vehicle and Equipment Maintenance Areas at Land Transportation Facilities

- ◆ Fueling
- ◆ Vehicle and Equipment Maintenance
- ◆ Outdoor Vehicle and Equipment Storage and Parking
- ◆ Locomotive Sanding Areas
- ◆ Painting Areas
- ◆ Vehicle or Equipment Washing Areas
- ◆ Liquid Storage in Above Ground Storage
- ◆ Cold Weather Activities
- ◆ Improper Connections to Storm Sewer

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### Sector Q -- Vehicle and Equipment Maintenance Areas at Water Transportation Facilities

- ◆ Pressure Washing
- ◆ Surface Preparation, Sanding and Paint Removal
- ◆ Painting
- ◆ Drydock Maintenance
- ◆ Drydocking
- ◆ Nondrydock Containment
- ◆ Engine Maintenance and Repairs
- ◆ Material Handling: Bulk Liquid Storage and Containment
- ◆ Material Handling: Containerized Material Storage
- ◆ Material Handling: Designated Material Mixing Areas
- ◆ Shipboard Process Water Handling
- ◆ Shipboard Sanitary Waste Disposal
- ◆ Bilge and Ballast Water

### Sector R -- Ship and Boat Building or Repairing Yards

- ◆ Pressure Washing
- ◆ Surface Preparation, Sanding and Paint Removal
- ◆ Painting
- ◆ Drydock Maintenance
- ◆ Drydocking
- ◆ Nondrydocking Containment
- ◆ Engine Maintenance and Repairs
- ◆ Material Handling: Bulk Liquids Storage and Containment
- ◆ Material Handling: Containerized Material Storage
- ◆ Material Handling: Designated Material Mixing Areas
- ◆ Shipboard Process Water Handling
- ◆ Shipboard Sanitary Waste Disposal
- ◆ Bilge and Ballast Water

### Sector S -- Vehicle and Equipment Maintenance and Deicing Areas at Air Transportation Facilities

- ◆ Aircraft, Ground Vehicle and Equipment Maintenance Areas
- ◆ Aircraft, Ground Vehicle and Equipment Cleaning Areas
- ◆ Aircraft, Ground Vehicle and Equipment Storage Areas
- ◆ Material Storage Areas
- ◆ Airport Fuel System and Fueling Areas
- ◆ Deicing Operations

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### Sector T -- Treatment Works

- ◆ Preparation of Biological and Physical Treatment Process
- ◆ Soil Amending and Grass Fertilizing
- ◆ Liquid Storage in Above Ground Storage Containers
- ◆ Pest Control
- ◆ Sludge Drying Beds
- ◆ Sludge Storage Piles
- ◆ Sludge Transfer
- ◆ Incineration-Ash Impoundments/Piles
- ◆ Miscellaneous

### Sector U -- Food and Kindred Products Facilities

#### *General for All Facilities:*

- ◆ Raw Material Unloading/Product Loading
- ◆ Storage Containers: Liquid Storage
- ◆ Storage Containers: Solid Storage
- ◆ Waste Management: Wastewater
- ◆ Waste Management: Solid Waste
- ◆ Waste Management: Air Emissions
- ◆ Pest Control
- ◆ Improper Connections to the Storm Sewer
- ◆ General

#### *Specific Facilities:*

- ◆ Meat Products
- ◆ Dairy Products
- ◆ Canned Frozen and Preserved Fruits, Vegetables and Frozen Specialties
- ◆ Grain Mills
- ◆ Bakery Products
- ◆ Sugar and Confectionery
- ◆ Fats & Oils
- ◆ Beverages

### Sector V -- Textile Mills, Apparel, Other Fabric Product Manufacturing Facilities

- ◆ Preparation (e.g., Desizing and Scouring)
- ◆ Dyeing
- ◆ Finishing
- ◆ General Water Conservation Techniques
- ◆ Chemical Screening and Inventory Control
- ◆ Material Handling: Bulk Liquid Storage and Containment
- ◆ Material Handling: Containerized Material Storage
- ◆ Material Handling: Designated Material Mixing Areas

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### Sector W -- Wood and Metal Furniture and Fixture Manufacturing Facilities

- ◆ Outdoor Unloading and Loading
- ◆ Outdoor Material Storage

### Sector X -- Printing and Publishing Facilities

- ◆ Plate Preparation
- ◆ Printing
- ◆ Clean Up
- ◆ Stencil Preparation for Screen Printing
- ◆ Material Handling and Storage Areas

### Sector Y -- Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries

- ◆ Outdoor Unloading and Loading
- ◆ Outdoor Material Storage
- ◆ Zinc Handling

### Sector Z -- Leather Tanning and Finishing Facilities

- ◆ Temporary Outdoor Storage of Fresh or Brine Cured Hides
- ◆ Beamhouse Operations
- ◆ Tanyards
- ◆ Retan and Wet Finish
- ◆ Dry Finish
- ◆ Receiving and Shipping
- ◆ Liquid Storage in Above Ground Tanks
- ◆ Improper Connections to Storm Sewers
- ◆ Waste Management

### Sector AA -- Fabricated Metal Products Industry

- ◆ Metal Fabricating Areas
- ◆ Storage Areas for Raw Metal
- ◆ Receiving, Unloading, and Loading Areas
- ◆ Storage of Heavy Equipment
- ◆ Metal Working Fluid Areas
- ◆ Unprotected Liquid Storage Tanks
- ◆ Chemical Cleaners and Rinse Water
- ◆ Raw Steel Collection Areas
- ◆ Paints and Painting Equipment
- ◆ Vehicle and Equipment Maintenance Areas
- ◆ Hazardous Waste Storage Areas

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Sector AA -- Fabricated Metal Products Industry, cont.

- ◆ Transporting Chemicals to Storage Areas
- ◆ Finished Products (Galvanized) Storage
- ◆ Wooden Pallets and Empty Drums
- ◆ Retention Ponds (Lagoon)

Sector AB -- Facilities that Manufacture Transportation Equipment, Industrial or Commercial Machinery

- ◆ Outdoor Unloading and Loading
- ◆ Outdoor Material Storage

Sector AC -- Manufacturers of Electronic and Electrical Equipment

- ◆ Outdoor Unloading and Loading
- ◆ Outdoor Material Storage



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### ◆ INDUSTRIAL/COMMERCIAL EDUCATION MODEL PROGRAM BMPs AVAILABLE FOR OTHER SPECIFIC FACILITIES ◆

#### Vehicle Service Facilities

##### *Service-Related Activities:*

- ◆ Changing Oil and Other Fluids
- ◆ Cleaning Engines and Parts and Flushing Radiators

##### *Washing Cars and Other Vehicles:*

- ◆ Regular Activity
- ◆ Occasional Activity
- ◆ New Vehicles
- ◆ Body Repair and Painting

##### *Facility Maintenance and Management*

- ◆ Keeping a Clean Shop
- ◆ Storage
- ◆ Spill Control
- ◆ Recycling/Treatment
- ◆ Purchasing
- ◆ Education and Training

#### Gasoline Stations

##### *Existing Facilities:*

- ◆ Fuel Dispensing Areas
- ◆ Facility - General
- ◆ Outdoor Waste Receptacle Area
- ◆ Air/Water Supply Area

##### *New or Substantially Remodeled Facilities:*

- ◆ Fuel Dispensing Areas
- ◆ Outdoor Waste Receptacle Area
- ◆ Air/Water Supply Area

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### Restaurants

- ◆ Housekeeping
- ◆ Recycling and Disposal
- ◆ Purchasing
- ◆ Education and Training